

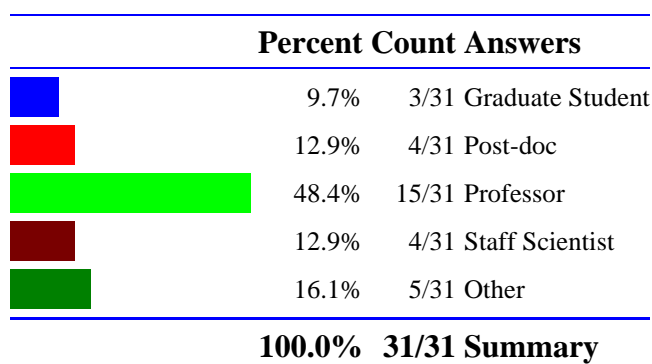
NIST Center for Neutron Research (NCNR)

Live Report

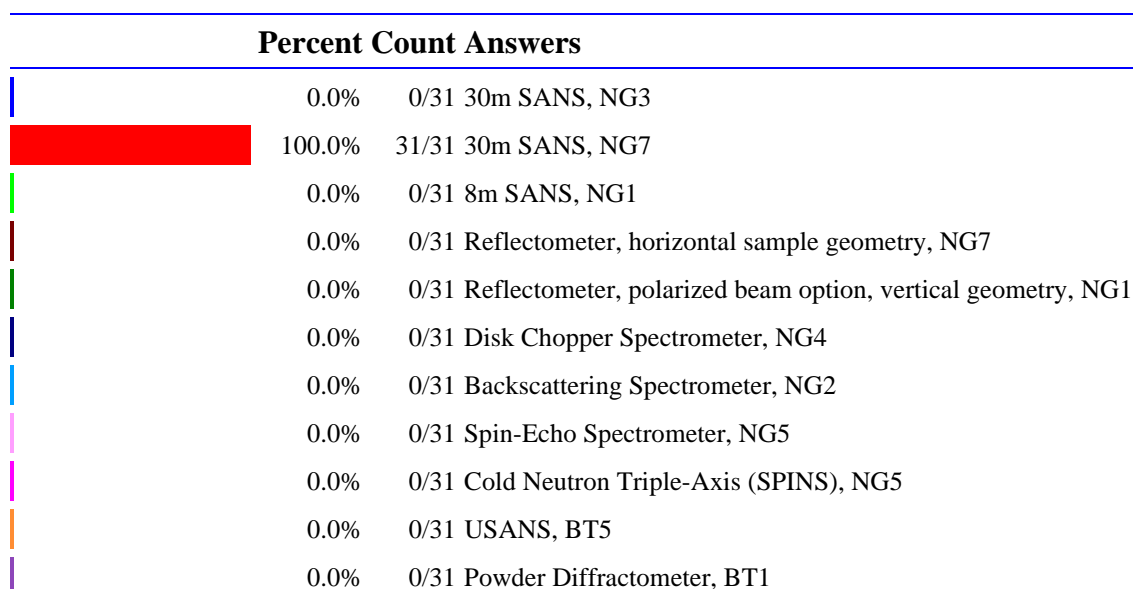
22-Feb-2004 7:55:22 AM

There are a total of **31** responses for the selected group from 15-Feb-2004 to 20-Feb-2004.

1. Your position







2. Your primary instrument (Please use this instrument as the basis for answers to sections 3 and 4)

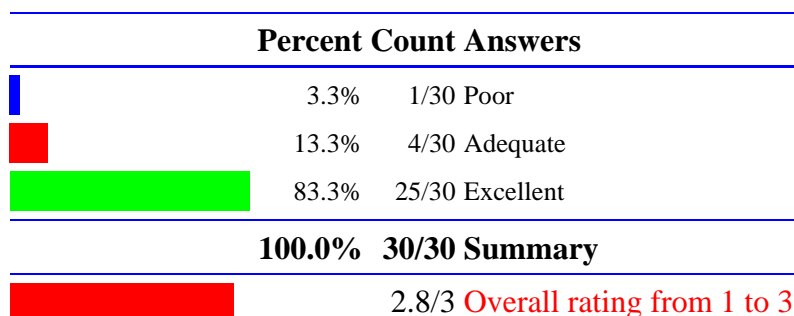


0.0%	0/31 Residual Stress Diffractometer, BT8
0.0%	0/31 Filter Analyzer Spectrometer (FANS), BT4
0.0%	0/31 Triple-Axis Spectrometer with polarized beam option, BT2
0.0%	0/31 Triple-Axis Spectrometer, BT9
100.0% 31/31 Summary	

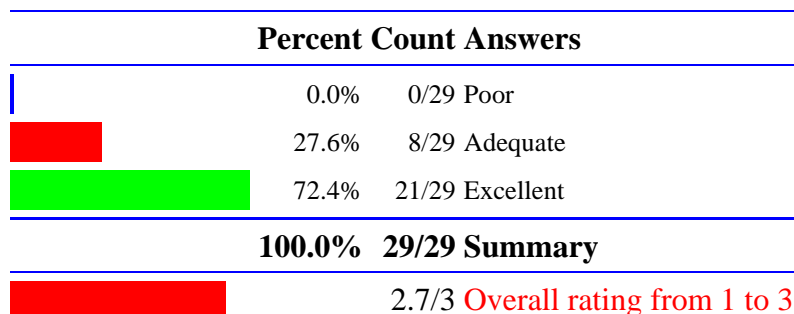
3. Please rate the proposal process

1) Ease of proposal submission		2.8/3		
2) Referee reports and PAC comments		2.7/3		
3) Proposal process fairness		2.6/3		
4) Scheduling process following approval		2.7/3		
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 3				

1) Ease of proposal submission

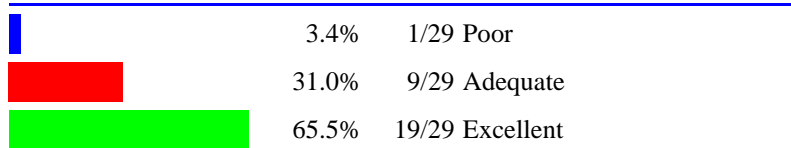


2) Referee reports and PAC comments

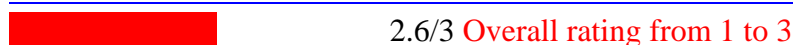


3) Proposal process fairness

Percent Count Answers

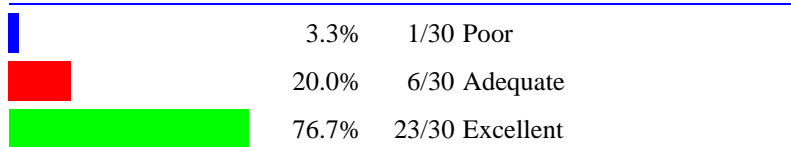


100.0% 29/29 Summary

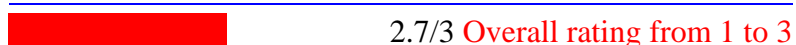


4) Scheduling process following approval

Percent Count Answers







100.0% 30/30 Summary



4. Please rate the effectiveness of the health physics training

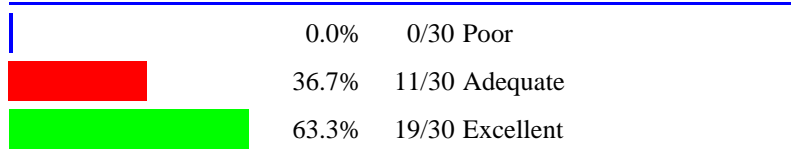
1) Relevance of computer based training content	<div><div></div></div>	2.6/3	<div><div></div><div></div></div>	<div><div></div><div></div></div>
2) Efficiency of computer based training	<div><div></div></div>	2.5/3	<div><div></div><div></div></div>	<div><div></div><div></div></div>
3) NCNR Health Physics tour	<div><div></div></div>	2.5/3	<div><div></div><div></div></div>	<div><div></div><div></div></div>
4) Discussion/exam review with health physicist	<div><div></div></div>	2.6/3	<div><div></div><div></div></div>	<div><div></div><div></div></div>
5) Refresher/Reindoctrination Training	<div><div></div></div>	2.6/3	<div><div></div><div></div></div>	<div><div></div><div></div></div>

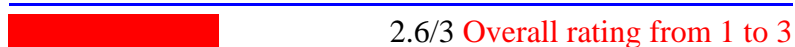
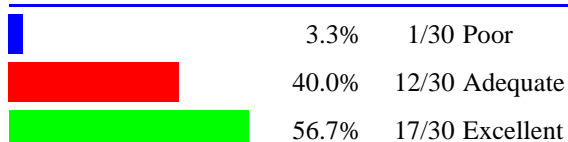
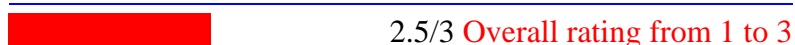
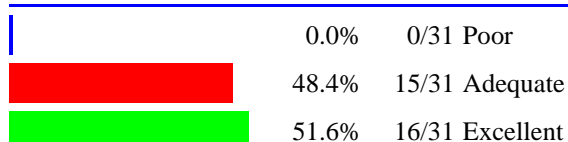
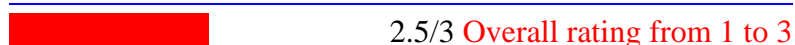
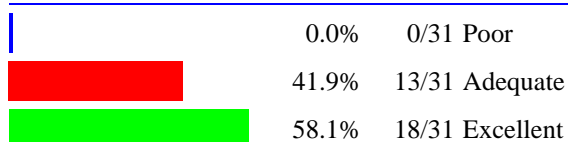
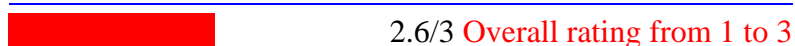
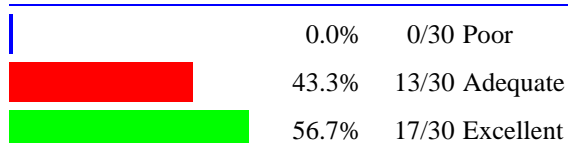
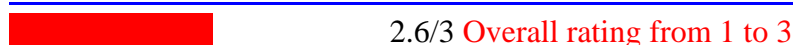
Legends:

-  Poor
-  Adequate
-  Excellent
-  Overall rating based on the scale from 1 to 3










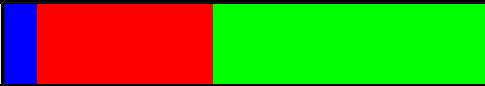






1) Relevance of computer based training content

Percent Count Answers

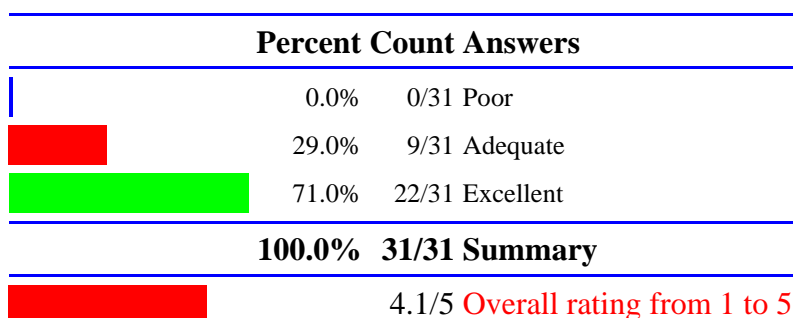


100.0% 30/30 Summary**2) Efficiency of computer based training****Percent Count Answers****100.0% 30/30 Summary****3) NCNR Health Physics tour****Percent Count Answers****100.0% 31/31 Summary****4) Discussion/exam review with health physicist****Percent Count Answers****100.0% 31/31 Summary****5) Refresher/Reindoctrination Training****Percent Count Answers****100.0% 30/30 Summary****5. Please rate the user support facilities**

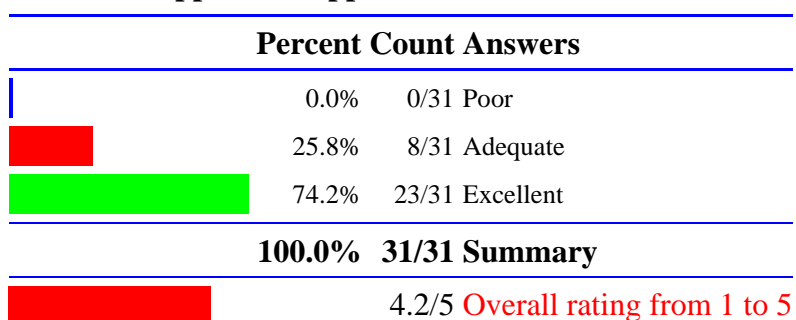
1) User Laboratory		
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facilities		4.1/5	
2) Tools and supplies in support labs		4.2/5	
3) User Offices		2.9/5	
4) NCNR computers for users		3.2/5	
5) Network access for user laptops		3.6/5	
6) Break/snack room facilities		3.0/5	
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 5			

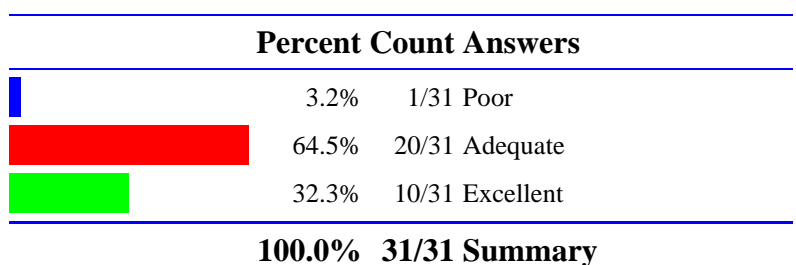
1) User Laboratory facilities

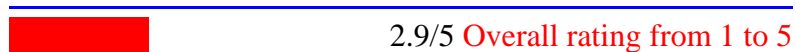


2) Tools and supplies in support labs

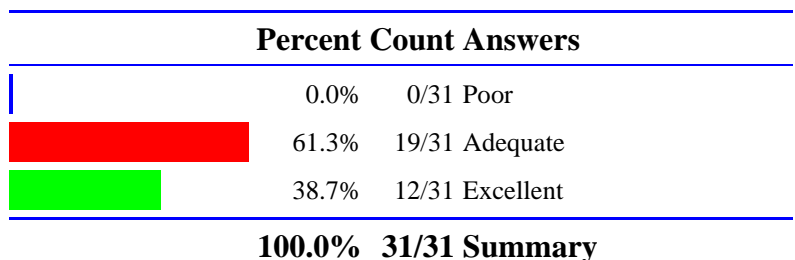


3) User Offices

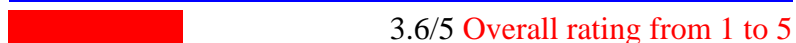
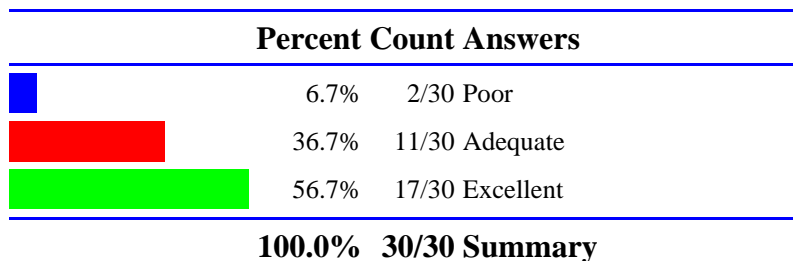




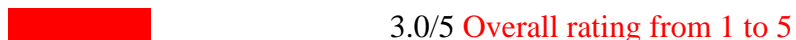
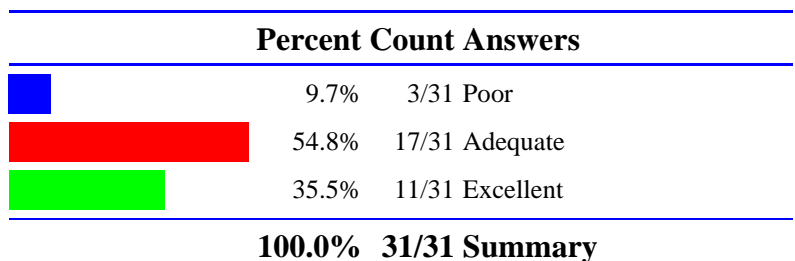
4) NCNR computers for users



5) Network access for user laptops




6) Break/snack room facilities

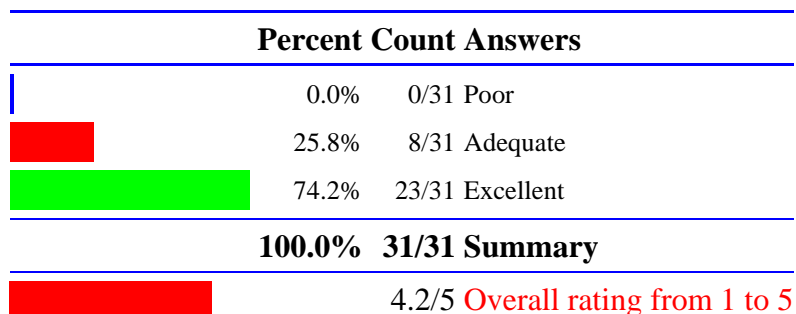


6. Please rate the following aspects of sample environments

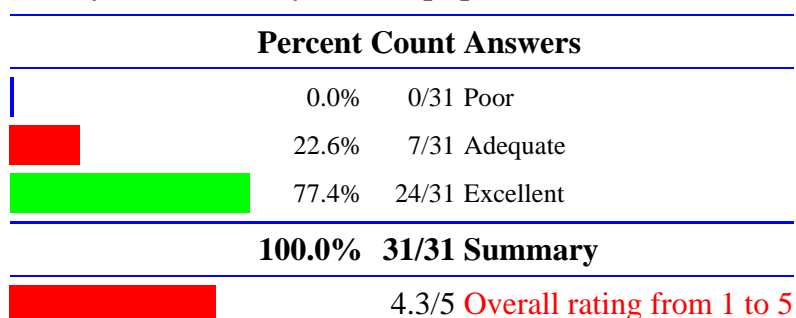
1) Availability of different sample environments	4.2/5	
2) Quality and reliability of the equipment	4.3/5	
3) Support from sample environment personnel	4.9/5	
Legends: Poor Adequate Excellent		

 Overall rating based on the scale from 1 to 5

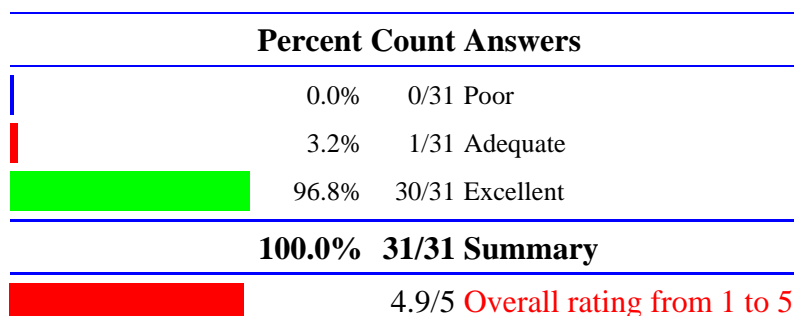
1) Availability of different sample environments



2) Quality and reliability of the equipment



3) Support from sample environment personnel













7. What other sample environments would you research benefit from

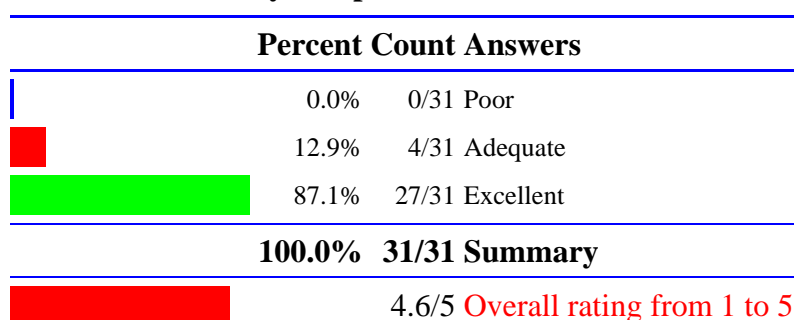
- [I would like to know the exact temperature of sample in the shear cell](#)
- [second shear cell, just in case "the one" is broken.](#)
- [More on high presure for supercritical fluid applications](#)
- [I like to make my own. As such I would appreciate more flexible and widely capable control interfaces between the NS instruments and user supplied ancillary equipment.](#)
- [N/A](#)

8. Please rate your primary NCNR instrument

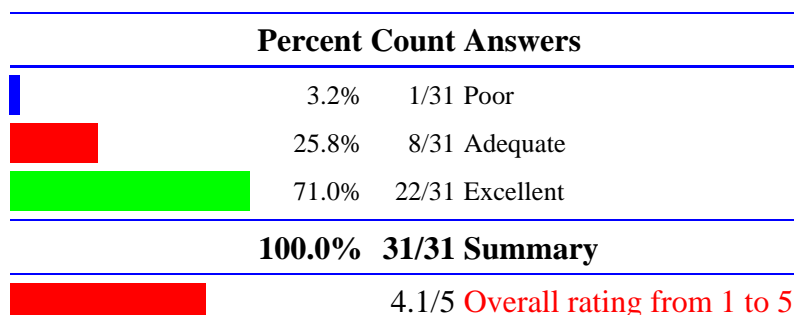
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1) Hardware reliability and performance	 4.6/5	
2) Data acquisition software	 4.1/5	
3) Support from NCNR staff	 4.8/5	
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 5		

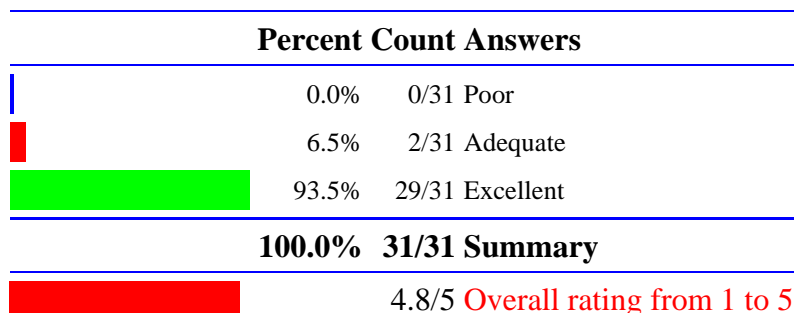
1) Hardware reliability and performance







2) Data acquisition software



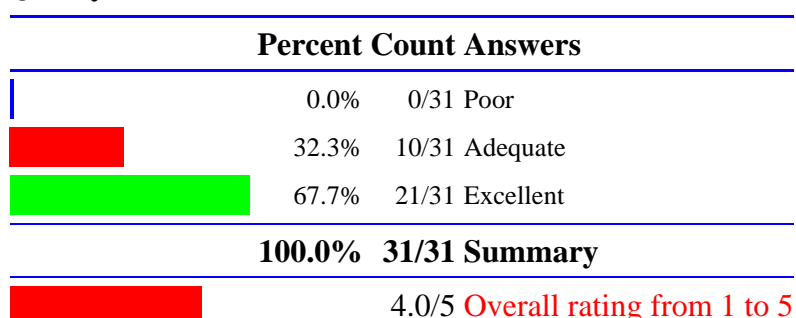
3) Support from NCNR staff



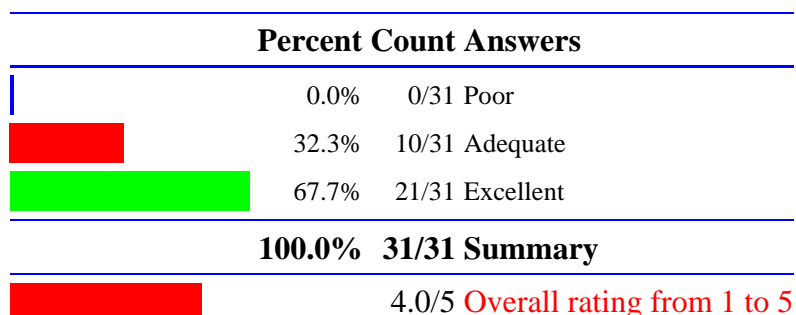
9. Please rate data analysis and visualization software at the NCNR

1) Quality of software		4.0/5		
2) Range of capabilities		4.0/5		
3) Assistance from NCNR staff		4.8/5		
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 5				

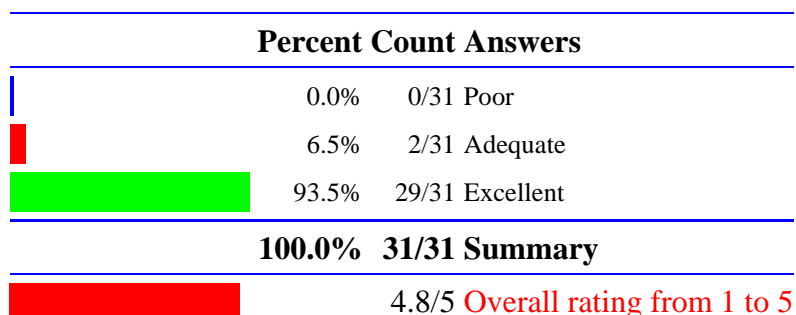
1) Quality of software



2) Range of capabilities







3) Assistance from NCNR staff



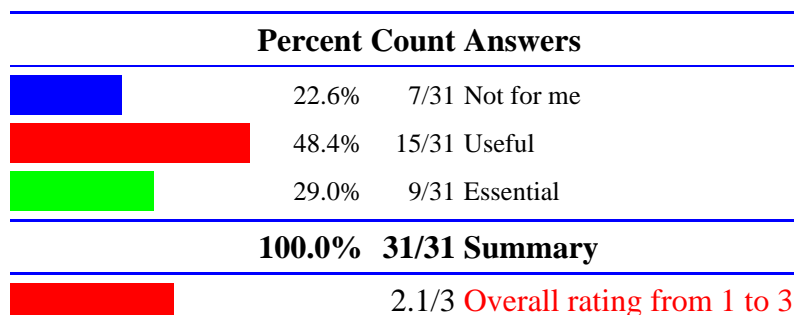
10. What other data analysis tools would your research benefit from

- [Desmearing](#)
- [Something like "spyglass transform" for easy and immediate presentation of SANS spectra in 2d and 3d format.](#)
- [Userfriendly software that allows to test data versus established models: I am an unexperienced industrial user, and it is useful to quickly test data against these established models. Not without the supoport of the very helpful NIST staff scientists this is possible.](#)
- [See answer to 3.3](#)
- [Internet collaborative interaction for off site people on the experiment.](#)
- [Non command-line data reduction, including real-time display of array data and I\(q\) if calibrations and transmissions have been run, possibly with LabVIEW. Automation of data reduction, expecially piecing together low and high q datasets. Direct link of reduced I\(q\) to PC or Mac to Kaliedagraph or Excel spreadsheet file and/or plot.](#)
- [The Igor based software has been invaluable. Steve Klein's help in adding some new macros was greatly appreciated.](#)

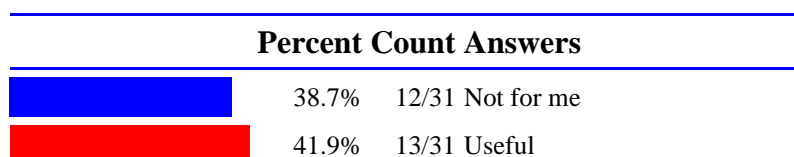
11. Please rate to what extent these forms of remote access (would) benefit your research program

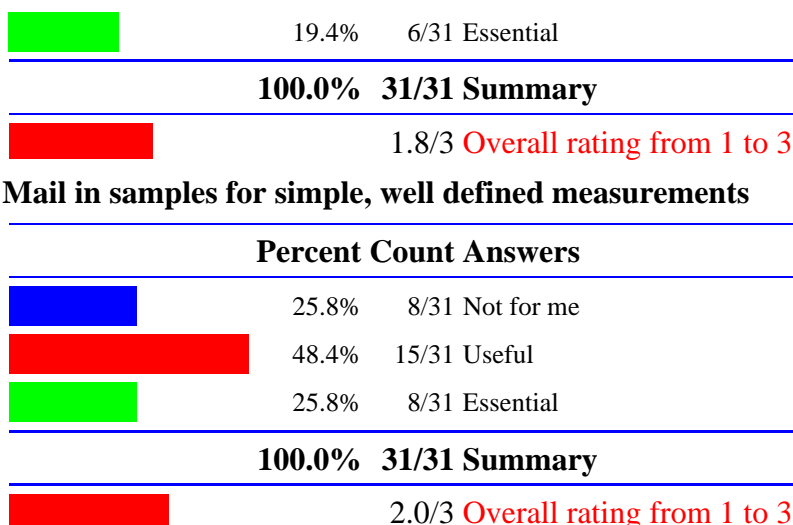
1) Remote viewing of instrument status and data		2.1/3			
2) Remote control of instrument		1.8/3			
3) Mail in samples for simple, well defined measurements		2.0/3			
Legends:  Not for me  Useful  Essential  Overall rating based on the scale from 1 to 3					

1) Remote viewing of instrument status and data



2) Remote control of instrument





12. **Please list any neutron instruments not currently at the NCNR that would benefit your research program or the community in general.**

- [magnetic neutron spin echo](#)
- [A spin echo spectrometer that actually worked and had software that wasn't a disaster.](#)
- [some supplemental x-ray equipment for simple characterization while doing neutron experiments. For example x-ray reflectivity for film thickness determination while running neutron reflectivity. This capability exists at NCNR but is not easily available to visiting users \(though the management such a facility might be difficult\).](#)
- [spin-polarized SANS](#)

13. **Are there any other comments or suggestions about the NCNR that you would like to add?**

- [the NIST-NCNR is probably the greatest American scientific asset and it deserves to be funded at the requested level or more.](#)
[X.S. Ling, Associate Professor of Physics](#)
- [Remote viewing apparatus to see samples during runs without interruptions.](#)
- [It is an excellent facility which has been an integral part of the research group that I am in over the years. Our studies at NCNR have increased our understanding of complex fluids and in assembling new structures.](#)
- [More spare parts and second quartz shear cell, just in case something is broken.](#)
- [I would like to indicate my satisfaction with the staff. They have been extremely helpful.](#)
- [NCNR programs had significant role in the development of my research. Summer schools were excellent chance to learn from well known scientists, staff are very available and helpful, and there are good tools and softwares for data analysis.](#)
[NCNR is a valuable source for researchers\(graduate students and professors\) all over nation.](#)
- [AN excellent facility, world-class personnel, and unique instruments.](#)
- [Can you clone Mike? I think US neutron scattering needs about five of him. And good luck](#)

- to Pat.
- Best neutron scattering site in the US and world class facility overall.
 - I think that the remote experimentation capability is a very important improvement that could be used to assess feasibility of some kinds of experiments. I am setting up a remote experimentation user facility in my laboratory since I am based on the west coast. This facility is equipped with computers, video projectors, and interaction areas especially designed to facilitate remote experimentation.
 - I hope that the level of support and stability of personel will continue. It makes coming to the NCNR a pleasure.

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